

EJ

C of C

PTO/SB/21 (09-04)

**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Application Number	09/548,946		
Filing Date	April 13, 2000		
First Named Inventor	Estacio, Maria Cristina B.		
Art Unit	2811		
Examiner Name	N. Parekh		
Total Number of Pages in This Submission	9	Attorney Docket Number	018865-004500US

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC			
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences			
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)			
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information			
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter			
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):			
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	Request for Reconsideration of Request of Certificate of Correction; Certificate of Correction (PTO/SB/44); Copy of Notice of Allowability and Examiner's Amendment mailed November 5, 2004; Return Postcard			
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____				
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Landscape Table on CD				
<input type="checkbox"/> Reply to Missing Parts/ Incomplete Application					
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53					
<table border="1"> <tr> <td>Remarks</td> <td colspan="2">The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.</td> </tr> </table>			Remarks	The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.	
Remarks	The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.				

Certificate

JUL 13 2005

of Correction
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Townsend and Townsend and Crew LLP		
Signature			
Printed name	Patrick R. Jewik		
Date	7/6/05	Reg. No.	40,456

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Decisions & Certificates of Correction Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Signature		
Typed or printed name	Anna C. Kundel	Date
		7/6/05

60523962 v1

JUL 18 2005

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : **6,870,254 B1**
DATED : **March 22, 2005**
INVENTOR(S) : **Estacio et al.**

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In claim 1, column 4, line 11, kindly delete "source and gate"

In claim 1, column 4, line 13, kindly delete "that the solder bumps" and insert --that the source and gate
solder bumps--

MAILING ADDRESS OF SENDER:

Patrick R. Jewik, Reg. No. 40,456
Townsend and Townsend and Crew, LLP
Two Embarcadero Center, 8th Floor
San Francisco, CA 94111-3834
60523910 v1

PATENT NO. 6,870,254 B1

Burden Hour Statement: This form is estimated to take 1.0 hour to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

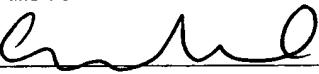


I hereby certify that this correspondence is being mailed to: Decisions & Certificates of Correction Branch, Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450:

PATENT
Attorney Docket No.: 018865-004500US

On: July 6, 2005

TOWNSEND and TOWNSEND and CREW LLP

By: 
Anna C. Kundel

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

ESTACIO et al.

Patent No.: 6,870,254

Issue Date: March 22, 2005

Application No.: 09/548,946

Filed: April 13, 2000

For: SEMICONDUCTOR POWER
PACKAGE MODULE

Customer No.: 20350

Examiner: Nitin Parekh

Technology Center/Art Unit: 6946

**REQUEST FOR RECONSIDERATION
DECISION REGARDING REQUEST FOR
CERTIFICATE OF CORRECTION
UNDER § 1.322**

ATTN: Decisions & Certificates of Correction Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR 1.322, Applicant submitted a Request For Certificate of Correction correcting typographical errors on April 1, 2005. In response thereto, the Patent Office denied the request to correct the errors in Column 4, lines 11 and 13, and issued a Certificate of Correction for Column 4, line 25, only.

Applicant respectfully traverses the decision of the Certificate of Correction Branch and asserts that the requested corrections should be made in a Certificate of Correction. In furtherance of this assertion, applicants submits that the changes were made in an Examiner's

JUL 16 2005

Amendment, which was included with the Notice of Allowability for the above application. A copy is enclosed herewith. More specifically, the Examiner makes the following amendments:

Claim 10, line 3: Delete "including solder bumps" and insert --"having solder bumps including source solder bumps and a gate solder bump"--.

Claim 10, line 4: Insert --"source and gate"-- between "the" and "solder".

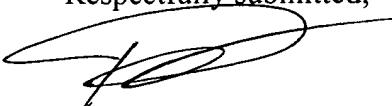
The following is a marked-up of version of the final submitted "currently amended" Claim 10, lines 1-4, showing the Examiner's changes made in the Examiner's Amendment:

*Claim 10. (currently amended) A chip device comprising:
a leadframe including source and gate connections;
a bumped die ~~including solder bumps~~ having solder bumps including source solder bumps and a gate solder bump on a frontside, the bumped die being attached to the leadframe such that the source and gate solder bumps contact the source and gate connections respectively;*

Therefore Column 4, lines 11 & 13 were not printed in accordance with the record. Applicant's respectfully request a Certificate of Correction for the corrections. The desired corrections are set forth on the enclosed form PTO/SB/44.

It is believed that no fee is required for this Request For Certificate of Correction as the errors are the result of typographical mistakes made by the United States Patent and Trademark Office. However, if a fee is required, the Commissioner is authorized to charge said fee to the undersigned's Deposit Account No. 20-1430.

Respectfully submitted,



Patrick R. Jewik
Reg. No. 40,456

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, Eighth Floor
San Francisco, California 94111-3834
Tel: 415-576-0200
Fax: 415-576-0300
Attachment
PRJ/ack
60523858 v1

JUL 18 2005



Notice of Allowability

Application No.	09/548,946	Applicant(s)	ESTACIO ET AL.
Examiner	Nitin Parekh	Art Unit	2811

— The MAILING DATE of this communication appears on the cover sheet with the correspondence address—

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTO-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to 09-07-04.
2. The allowed claim(s) is/are 10-12 and 14-18.
3. The drawings filed on _____ are accepted by the Examiner.
4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All
 - b) Some*
 - c) None
 of the:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date _____.
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date 23.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. Notice of References Cited (PTO-892)
2. Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 23
4. Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. Notice of Informal Patent Application (PTO-152)
6. Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. Examiner's Amendment/Comment
8. Examiner's Statement of Reasons for Allowance
9. Other _____.


 Nitin Parekh
 Patent Examiner
 Technology Center 2800

DETAILED ACTION

Allowable Subject Matter

1. Claims 10-12 and 14-18 are allowed.

Examiner's Amendment

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

A. Drawings:

The following changes to the drawings have been approved by the examiner and agreed upon by applicant:

- a. The reference numerals shown in all figures are not legible.
- b. The Fig. 1, 2 and 5 showing the copper clip, the bumped die and the solder paste respectively are not clear and are not of sufficient quality for publication.

In order to avoid abandonment of the application, applicant must make these above agreed upon drawing changes.

- B. Claim 10, line 3: Delete "including solder bumps" and insert — "having solder bumps including source solder bumps and a gate solder bump" —.
- C. Claim 10, line 4: Insert — "source and gate" — between "the" and "solder".

- D. Claim 10, line 4: Insert — “respectively” — after “connections”.
- E. Claim 10, line 6: Delete “a v-groove” and insert — “an elongated v-groove along an edge of the lead rail”.
- F. Claim 10, line 7: Delete “in the v-groove” and insert — “in the elongated v-groove along the edge of the lead rail”.
- G. Claim 10, line 8: Delete “v-groove” and insert — “elongated v-groove”.
- H. Claim 10, line 11: Delete “solder bumps” and insert — “source solder bumps”.
- I. Claim 17, line 2: Delete “v-groove” and insert — “elongated v-groove”.

Authorization for this examiner's amendment was given in a telephone interview with Patrick Jewik on 10-27-04.

Reasons for Allowance

- 3. The following is an examiner's statement of reasons for allowance:

The references of record do not teach either singularly or in combination at least the limitations “a copper clip attached to a backside of the bumped die and having an edge; a lead rail including leads and an elongated v-groove along an edge of the lead rail, wherein the edge of the copper clip is in the elongated v-groove along the edge of the lead rail” and “apertures in the leadframe and being located under the die and being between the source solder bumps” in a leadframe device having a bumped die wherein

drain connections between a die with a lead rail are accomplished through a soldered copper clip.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nitin Parekh whose telephone number is 571-272-1663. The examiner can normally be reached on 09:00AM-05:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eddie Lee can be reached on 571-272-1732. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9318.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

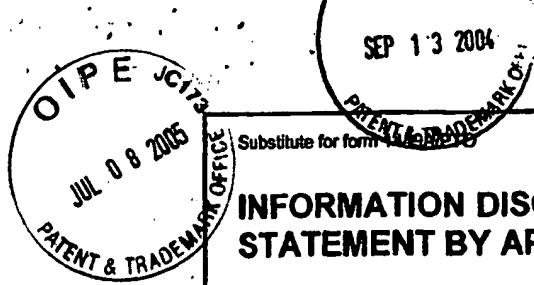
NP

10-27-04

Nitin Parekh
NITIN PAREKH

PATENT EXAMINER

Technology Center 2800



Substitute for form PTO-146 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		<i>Complete if Known</i>		
		Application Number	09/548,946	
		Filing Date	April 13, 2000	
		First Named Inventor	Estacio, Maria Cristina B.	
		Art Unit	2811	
		Examiner Name	N. Parekh	
Sheet	1	of	Attorney Docket Number	018865-004500US

U.S. PATENT DOCUMENTS+				
Examiner Initials*	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
NP	AA	US-5,637,918	06-10-1997	Joshi
	AB	US-5,765,280	06-16-1998	Joshi
	AC	US-5,789,809	08-04-1998	Joshi
	AD	US-6,133,634	10-17-2000	Joshi
	AE	US-6,294,403	09-25-2001	Joshi
	AF	US 6,423,623	07-23-2002	Bencuya
	AG	US-6,489,384	10-22-2002	Joshi
	AH	US-6,489,678	12-03-2002	Joshi
	AI	US-6,566,749	05-20-2003	Joshi et al.
	AJ	US 6,617,655	09-09-2003	Estacio et al.
	AK	US-6,627,991	09-30-2003	Joshi
	AL	US-6,633,030	10-14-2003	Joshi
	AM	US 6,645,791	11-11-2003	Noquili
	AN	US 6,646,329	11-11-2003	Estacio et al.
	AO	US 6,649,861	11-18-2003	Estacio et al.
	AP	US-6,661,082	12-09-2003	Granada et al.
	AQ	US-6,683,375	01-27-2004	Joshi
	AR	US-6,696,321	02-24-2004	Joshi
	AS	US-6,720,642	04-13-2004	Joshi et al.
	AT	US-6,731,003	05-04-2004	Joshi et al.
	AU	US-6,740,541	05-25-2004	Rajeev
	AV	US-6,753,805	06-22-2004	Joshi
	AW	US 6,762,067	07-13-2004	Quinones et al.
NP	AX	US-6,777,786	08-17-2004	Estacio

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Country Code ³	Number ⁴		

Examiner Signature	Nutni Parekh	Date Considered	10/28/04
--------------------	--------------	-----------------	----------

¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ²Applicant's unique citation designation number (optional). ³Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

60302294 v1